

07053600 LAKE TANEYCOMO AT COLLEGE OF THE OZARKS

WATER-QUALITY RECORDS

LOCATION.--Lat 36°36'33", long 93°14'04", in sec.4, T.22 N., R.21 W., Taney County, Hydrologic Unit 11010003, on the right bank in the College of the Ozarks water intake pump house and 4.75 mi below Table Rock Dam.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May 1984 to current year. (See remarks).

DISSOLVED OXYGEN: May 1984 to current year. (See remarks).

INSTRUMENTATION.--Water-quality monitor since May 1984.

REMARKS.--The number of missing days of water temperature and dissolved oxygen record exceeds 20 percent of the year. The monitor was not operated from Jan. 10 to June 19.

OXYGEN DISSOLVED (mg/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	6.46	3.34	5.13	8.93	6.98	8.16	12.9	10.7	12.0
2	6.03	4.37	4.92	5.81	4.26	5.27	9.64	7.91	8.85	12.0	11.3	11.8
3	6.28	2.86	4.58	7.46	4.53	5.92	9.30	8.19	8.75	11.7	11.1	11.6
4	6.75	2.49	5.24	7.84	5.94	6.66	10.0	8.14	8.93	13.4	12.0	12.7
5	7.99	5.22	6.02	7.73	5.19	6.22	10.0	8.01	8.78	13.4	12.0	12.7
6	5.97	4.48	5.04	6.79	4.56	5.82	9.32	6.99	8.45	13.8	11.6	12.9
7	5.59	3.80	4.69	7.10	3.44	4.39	8.19	6.64	7.24	13.4	11.6	12.6
8	8.55	4.76	6.30	6.81	3.34	4.20	8.46	6.54	7.60	14.2	11.6	12.5
9	7.82	4.30	5.92	6.75	2.68	4.11	10.1	7.81	8.98	13.0	12.1	12.3
10	8.13	3.92	4.97	6.85	2.78	5.42	11.4	8.97	10.4	---	---	---
11	7.14	3.13	4.91	8.14	5.10	6.79	11.8	7.87	9.75	---	---	---
12	8.26	3.83	4.86	7.02	3.22	5.16	10.2	8.23	9.05	---	---	---
13	5.56	3.57	4.72	7.58	3.30	5.45	11.1	9.54	10.3	---	---	---
14	8.89	5.04	6.77	7.13	3.19	4.85	11.9	10.1	11.0	---	---	---
15	8.43	6.70	7.31	6.05	2.48	4.56	10.9	8.74	9.99	---	---	---
16	6.76	5.42	6.04	7.14	3.61	5.29	10.3	8.45	9.22	---	---	---
17	8.75	4.63	5.48	6.60	3.78	5.16	10.3	7.88	9.34	---	---	---
18	6.00	4.42	4.93	7.44	4.38	5.69	10.7	8.97	9.62	---	---	---
19	8.25	4.65	6.37	7.77	4.77	6.14	11.0	9.89	10.7	---	---	---
20	6.20	4.39	5.53	7.76	4.94	6.33	11.9	10.5	11.2	---	---	---
21	---	---	---	8.12	6.37	7.27	12.2	11.3	11.7	---	---	---
22	7.71	6.62	6.86	9.04	7.13	7.96	11.4	9.65	10.5	---	---	---
23	7.72	4.96	6.53	9.66	7.90	8.88	11.6	9.95	11.0	---	---	---
24	7.70	5.90	7.07	9.09	7.34	8.15	12.1	11.0	11.4	---	---	---
25	8.91	4.50	6.34	8.92	7.19	8.17	12.5	10.8	11.5	---	---	---
26	7.35	4.59	5.82	9.34	7.15	8.01	13.0	9.36	11.5	---	---	---
27	8.00	4.84	6.72	9.22	7.11	7.65	13.0	11.3	12.7	---	---	---
28	6.70	4.89	5.90	9.76	6.86	7.90	12.8	11.6	12.3	---	---	---
29	7.71	5.70	6.46	9.82	6.56	7.52	13.0	11.9	12.4	---	---	---
30	8.27	5.19	6.65	8.27	6.46	7.71	13.0	11.7	12.4	---	---	---
31	6.70	4.06	5.39	---	---	---	13.1	11.2	12.1	---	---	---
JUNE			JULY			AUGUST			SEPTEMBER			
1	---	---	---	11.6	8.64	9.82	9.51	6.28	8.24	---	---	---
2	---	---	---	11.9	8.97	10.3	10.6	7.84	9.38	---	---	---
3	---	---	---	12.2	8.97	10.4	11.1	8.34	9.78	---	---	---
4	---	---	---	14.0	9.43	12.1	11.9	8.35	10.0	5.18	4.67	4.86
5	---	---	---	12.6	11.1	11.8	9.66	6.02	7.81	---	---	---
6	---	---	---	14.3	11.3	12.7	9.05	4.56	6.82	4.74	3.65	4.57
7	---	---	---	14.8	11.5	13.2	7.19	6.52	6.94	4.81	3.65	4.44
8	---	---	---	13.4	11.1	12.0	8.71	6.52	7.75	---	---	---
9	---	---	---	14.0	10.7	12.6	7.98	5.64	7.20	6.10	5.20	5.76
10	---	---	---	13.0	10.7	12.1	8.98	5.64	7.33	---	---	---
11	---	---	---	13.8	11.3	12.6	7.30	6.11	6.22	---	---	---
12	---	---	---	12.5	10.6	11.7	8.79	4.50	6.92	5.94	4.87	5.26
13	---	---	---	12.8	10.1	11.7	7.15	3.63	5.82	9.00	4.19	7.49
14	---	---	---	12.5	10.9	11.5	8.82	3.64	6.18	9.61	3.03	8.34
15	---	---	---	12.5	8.73	10.7	7.37	4.10	5.98	---	---	---
16	---	---	---	12.8	8.18	10.1	7.11	4.36	5.91	---	---	---
17	---	---	---	11.0	7.77	9.90	7.57	4.20	6.25	---	---	---
18	---	---	---	10.9	7.31	9.34	8.60	5.28	6.68	---	---	---
19	---	---	---	10.4	6.52	8.20	6.98	4.30	5.89	---	---	---
20	11.6	10.2	10.8	12.2	5.69	9.17	7.36	4.33	5.94	---	---	---
21	12.6	9.96	11.2	12.4	8.60	10.6	6.43	6.06	6.22	---	---	---
22	14.9	11.1	12.7	12.9	7.57	10.3	---	---	---	---	---	---
23	14.9	13.2	14.0	9.58	7.60	8.42	6.65	6.13	6.48	---	---	---
24	16.1	12.0	14.2	9.72	7.37	8.25	---	---	---	---	---	---
25	14.1	11.1	12.1	10.6	7.10	8.65	10.9	7.50	9.72	---	---	---
26	15.5	12.3	14.1	10.1	8.30	9.27	---	---	---	---	---	---
27	12.9	10.2	11.7	11.9	9.19	10.4	5.43	4.51	5.33	---	---	---
28	10.7	8.42	9.93	11.0	8.65	9.80	7.77	4.51	5.55	---	---	---
29	11.1	8.00	9.54	10.1	8.14	8.89	---	---	---	---	---	---
30	13.5	8.24	10.1	9.53	7.20	8.23	---	---	---	---	---	---
31	---	---	---	8.27	6.32	7.51	7.58	6.88	7.48	---	---	---

07053600 LAKE TANEYCOMO AT COLLEGE OF THE OZARKS--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	16.2	14.7	15.2	13.0	12.0	12.3	6.73	6.55	6.66
2	14.9	14.5	14.6	15.2	13.3	14.5	13.3	12.0	12.5	6.96	6.53	6.73
3	15.1	14.4	14.6	14.6	13.1	13.9	13.2	12.3	12.7	6.67	6.09	6.17
4	15.9	14.1	15.0	13.6	12.1	13.1	12.7	11.8	12.3	7.51	5.93	6.45
5	15.5	14.6	14.9	14.8	12.7	13.7	12.4	11.8	12.1	6.73	5.87	6.27
6	14.9	14.0	14.4	14.2	13.6	14.0	12.2	11.4	11.7	7.81	5.51	6.56
7	15.5	14.0	14.6	14.7	13.9	14.2	12.2	11.3	11.8	7.22	5.94	6.66
8	15.9	14.1	14.9	14.9	13.2	14.3	11.3	9.64	10.5	8.28	3.78	6.68
9	15.3	14.2	14.8	15.0	13.3	14.3	9.64	7.16	8.60	7.87	7.43	7.55
10	15.9	14.3	14.7	15.3	14.4	14.8	7.36	5.52	6.50	---	---	---
11	15.7	14.3	14.8	14.9	13.5	14.4	11.2	5.01	8.72	---	---	---
12	15.9	14.2	14.6	14.3	13.5	13.9	11.3	10.6	11.0	---	---	---
13	15.3	13.9	14.5	14.7	13.2	14.0	11.7	11.2	11.4	---	---	---
14	15.5	14.5	15.0	14.7	13.4	14.2	12.1	11.4	11.6	---	---	---
15	16.4	14.2	15.0	14.2	13.6	14.1	11.6	11.1	11.3	---	---	---
16	16.5	14.3	15.3	14.7	13.3	14.0	11.7	10.9	11.1	---	---	---
17	16.0	14.2	14.7	13.9	13.2	13.6	10.9	10.5	10.7	---	---	---
18	16.0	14.1	14.8	15.0	13.5	14.0	10.5	9.79	10.2	---	---	---
19	16.0	14.5	15.1	14.2	12.9	13.4	9.79	8.42	9.07	---	---	---
20	14.6	13.5	14.3	14.2	12.6	13.2	8.43	7.26	7.94	---	---	---
21	---	---	---	13.2	12.0	12.8	7.26	6.63	6.96	---	---	---
22	15.5	15.0	15.4	13.2	11.9	12.6	10.2	6.42	8.49	---	---	---
23	15.1	14.5	14.8	13.0	12.1	12.6	9.76	8.50	9.15	---	---	---
24	15.3	13.1	14.2	12.8	11.5	12.1	8.64	7.66	8.18	---	---	---
25	14.5	12.9	13.7	12.2	11.0	11.5	7.66	6.62	7.16	---	---	---
26	16.2	14.0	14.7	12.8	11.4	12.1	6.84	5.99	6.38	---	---	---
27	16.0	14.7	15.2	12.8	12.2	12.5	6.16	5.91	6.10	---	---	---
28	15.3	13.9	14.6	12.9	11.9	12.6	7.05	6.23	6.50	---	---	---
29	14.8	13.4	13.9	13.3	11.9	12.8	6.94	5.99	6.31	---	---	---
30	14.5	13.5	14.0	12.8	12.1	12.4	6.26	5.79	6.11	---	---	---
31	15.0	14.0	14.4	---	---	---	6.58	6.08	6.32	---	---	---
JUNE			JULY			AUGUST			SEPTEMBER			
1	---	---	---	10.4	8.40	8.78	9.39	8.68	8.94	---	---	---
2	---	---	---	12.4	8.43	9.64	11.3	8.73	9.50	---	---	---
3	---	---	---	16.2	8.99	12.1	11.8	8.73	10.3	---	---	---
4	---	---	---	14.1	12.1	12.9	14.5	8.97	11.7	9.66	9.37	9.56
5	---	---	---	13.6	11.3	12.8	10.8	8.74	9.22	---	---	---
6	---	---	---	15.8	11.6	13.3	10.1	8.71	9.14	9.72	9.41	9.62
7	---	---	---	15.8	9.36	13.2	9.15	8.74	8.92	9.73	9.43	9.56
8	---	---	---	13.7	9.42	11.5	10.2	8.71	9.31	---	---	---
9	---	---	---	14.7	11.9	13.5	9.33	8.71	9.00	9.56	9.41	9.53
10	---	---	---	14.6	11.8	13.1	10.8	8.74	9.77	---	---	---
11	---	---	---	14.2	11.7	12.6	10.9	10.8	10.9	---	---	---
12	---	---	---	13.0	11.2	12.0	11.4	9.11	10.2	11.8	11.7	11.8
13	---	---	---	13.4	11.3	12.1	9.47	8.82	9.09	11.9	11.2	11.5
14	---	---	---	14.1	11.7	12.4	9.88	8.82	9.06	11.7	11.4	11.6
15	---	---	---	17.4	11.7	13.2	9.81	8.88	9.08	---	---	---
16	---	---	---	15.4	8.66	12.2	10.1	8.88	9.16	---	---	---
17	---	---	---	10.6	8.42	9.06	9.59	8.96	9.10	---	---	---
18	---	---	---	10.0	8.42	8.80	11.0	8.88	9.48	---	---	---
19	10.7	8.07	9.01	10.5	8.50	8.87	9.51	8.88	9.11	---	---	---
20	10.1	8.04	8.59	12.1	8.56	9.56	9.54	8.94	9.18	---	---	---
21	10.1	7.90	8.52	12.8	8.80	10.5	9.50	8.94	9.21	---	---	---
22	12.3	7.90	10.0	16.0	8.95	12.0	---	---	---	---	---	---
23	15.6	11.8	12.9	10.0	8.71	9.07	9.94	9.31	9.73	---	---	---
24	16.7	9.71	13.6	9.73	8.51	8.82	14.8	10.5	12.9	---	---	---
25	13.1	9.44	11.2	11.3	8.52	9.60	---	---	---	---	---	---
26	15.4	9.64	12.3	11.3	9.23	10.3	9.41	9.38	9.41	---	---	---
27	10.3	8.18	9.25	13.3	10.1	11.4	11.9	9.38	10.3	---	---	---
28	9.88	8.17	8.55	12.7	9.61	10.8	---	---	---	---	---	---
29	9.46	8.20	8.54	10.7	9.20	9.84	---	---	---	---	---	---
30	11.5	8.22	9.05	10.8	8.65	9.41	---	---	---	---	---	---
31	---	---	---	10.1	8.67	9.00	11.0	10.9	11.0	---	---	---